OFFICIAL

The Teck extends its welcome to the Class of 1956

VOL. LXXII, NO. 27 CAMBRIDGE, MASS., TUESDAY, SEPTEMBÉR 23, 1952

5 CENTS

Faculty Gives Approval; Plan Pre-Exam Reading Periods For All Students

A pre-examination reading period for all students at the 1. stitute was approved at the last meeting of the Faculty this spring. At the same meeting, it was decided to extend the Thanksgiving holiday again this year to include the following Friday and Saturday.

We are very happy to learn that the Institute has decided to provide upperclassmen as well as freshmen with an opportunity to relax and review before final examinations. The Tech has long advocated this move as beneficial to all concerned.

The reading period this term will be Thursday, Friday, and Saturday, January 22, 23, 24. Next spring, the period will be Wednesday, Thursday and Friday, May 27, 28, 29. Saturday, May 30, is a legal holiday,

Da Vinci's

tinue through October 5.

Work Shown

Boston Museum of Science, are now

being exhibited in the main lobby of

Building 7. The exhibit will con-

operated manually by the viewer.

The exhibit is being held under;

the supervision of the Fine Arts De-

partment of International Business

Machines Corporation, owner of the

collection, as part of this year's cele-

In Bldg. 7

which extends the period one day longer. Since there is a Sunday at the end of the period each term, the fall term reading period is actually four days long, the spring term five days. The reading periods, during which no classes will be held, are to be used by each student as he sees fit to help him in his examinations.

The three-day Thanksgiving holiday, which was given for the first time last year, will be on November 27, 28 and 29.

Institute Posts Filled During Summer Recess

Troost Named Head Of Naval Architecture

Over the past summer, a new head operation while others may be of the school of Naval Architecture was named by the administration, three members of the faculty retired and five members were elected to the M.I.T. Corporation. A director of Project Lincoln was also named.

Lauren Troost famous naval architect of The Netherlands was named Leonardo's birth. Professor and Head of the Department of Naval Architecture. The appointment was announced August 30 by President Killian. Professor Troost will take over the helm from Admiral Edward L. Cochrane, whose appointment as Dean of Engineering was announced last spring.

Professor Troost was head of the world famous Ship Model Basin for testing purposes at Wageningen, The Netherlands. Under his direction the (Continued on Page 3)

Thirty-nine Students Receive Scholarships For Advanced Study

Thirty-nine Institute students, graduate students, and alumni have been awarded scholarships since the end of the 1951-52 academic year. Included were 20 Overseas Summer Fellowships to graduate students. 2 Fulbright awards, and seven undergraduate Foundry Educational Foundation scholarships.

In addition, 13 Graduate Fellowships to the new School of Industrial Management at the Institute have been awarded.

In announcing the award of the Overseas Summer Fellowships, Profesor Norman J. Padelford, Chairman of the Institute's Foreign Study Committee, stated that the purpose of the fellowships is "to enrich the Institute's customary graduate trainwith some of the outstanding scientists and engineers in Europe."

(Continued on Page 2)

Record Number Of Applicants Now Enrolled In Class Of 1956

CONVOCATION FRIDAY

An all-school convocation, at which Dr. James R. Killian, Jr., President of the Institute, will introduce the new Dean of the School of Engineering, will be held this Friday, September 25, in Rockwell Cage. The convocation will start at 11:00 a.m.

General purpose of the convocation is to stress the community spirit of the M.I.T. family, and to provide an opportunity for new members of the family to meet the others.

Dr. Killian Will Preside

Dr. Killian will preside at the meeting, which will open with the Insti-Models of inventions of Leonardo tute Glee Club singing "Rise Ye Sons da Vinci, previously on display at the of M.I.T." Dr. Killian will then introduce Dr. Julius Stratton, and Mr. Joseph Snyder, Vice Presidents of the Institute; Admiral Edward L. Cochrane, new Dean of the School of En-Constructed after years of research gineering; Professor Laurens Troost, one of the world's foremost Leonardo head of the Department of Naval car together with other devices that Edwin R. Gilliland, new Chairman of were used with success in Leonardo's the Faculty; Associate Dean of Stuown time. Some of the models in the dents Frederick G. Fassett, and Proexhibit are in continuous mechanical fessor John T. Rule.

Talks at the convocation will be given by Dean of the Graduate School Harold L. Hazen: John F. O'Donnell. representing the Graduate House Committee; Marion C. Manderson, President of Institute Committee; bration of the 500th anniversary of Dean of Students E. Francis Bow- type messages. ditch, and Dr. Karl T. Compton, Chairman of the Corporation.

Engineering Shortage Causes Boon In Technical Vocations

Between 930 and 950 freshmen make this year's the largest entering class in the history of the Institute. Total enrollment for the Institute will be close to 5000 this year.

The unusually large number of freshmen was greater than originally planned by the Admissions Office. Each year for the past seven, the percentage of freshmen applicants who have dropped out after acceptance by the Institute has increased. The Admissions Office expected the trend to continue this year; the fact that it didn't explains the large number of first year students.

Punched Tape, Servos Control Willing Wachine

A numerically controlled milling machine, believed to be the first of its kind in the world, is now in operation at the Institute. It represents a new and pioneering step in the automatic control of machine tools.

The new machine responds to inand study by Dr. Roberto Guatelli, who succeeds Admiral Cochrane as bers. It substitutes mathematical opauthorities, the models depict such Architecture and Marine Engineering; modern computing devices, for many prophetic inventions as the parachute, Professor Gordon S. Brown, retiring of the hand operations now required the helicopter, and a self-propelled Chairman of the Faculty; Professor in industrial production. It does in minutes many of the tasks that in current practice take hours.

Direct Derivation

The numbers which direct the machine are derived directly from the drawings and specifications of the part to be worked. This digital information is coded and punched on a paper tape similar to that used in the automatic transmission of tele-

The information on the tape is interpreted by the machine director which employs standard electronic information-processing techniques. The commands are then carried out by

Applications Up 25 Per cent Professor B. Alden Thresher, Director of Admissions, attributes this year's change in trend to the fact that students are becoming increasingly aware of the shortage of engineers and scientists. Applications for admission from secondary schools were up

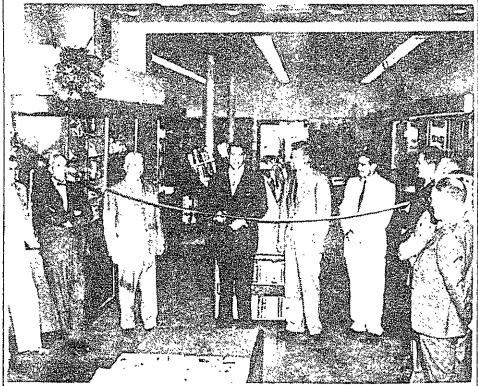
twenty-five per cent over the normal number, not only here at the Institute. but at almost every engineering school in the country. In addition to the large Freshman

Class, there were increases in other departments. The number of Graduate Students is about 200 more than last year, or approximately 1900. There are about 200 college transfers, students representing sixteen other schools who are now studying here at the Institute.

Previous High in 1947

The general increase of students, graduate, freshmen and others, is due in part to the increase in the number and size of scholarships granted by the Institute.

Previously, the largest September Freshman Class was that of 1947. which totaled 885 students. 261 more freshmen were admitted the following February, however, making the total number of freshmen that year 1146. This was the largest number of freshower amplifying servomechanisms. I men ever at the Institute at one time.



Dr. J. R. Killian. Jr. is shown cutting the ribbon at formal opening of the newly extended Coop. Dr. Killian as well as Mr. G. E. Cole, President and General Manager of the store made short addresses.

Store, providing 31 per cent more be facilitated through the store's six struction of a new dormitory, but, selling area and 30 per cent increased entrances as a result of modern floor with the approval of the trustees of storage space, was officially opened planning. by President J. R. Killian on Septeming by giving a few highly qualified ber 9. Eighty per cent of the new sell- dress was made by Mr. George E. honoring Mr. Conner will be placed students an opportunity of associating space houses a well stocked Gen-Cole, President and General Manager in the entrance to the eastern lounge. ing intimately for a period of time eral Book Department with ultra- of the Harvard Cooperative Society. modern lighting arrangements that Following, President Killian spoke Conner was the President of the minimize glare. The new fluorescent briefly and then cut the ribbon that Improved Paper Machine Company in

A new wing of the Technology | traffic during term rushes will greatly

fixtures have a walnut finish. Student officially opened the new Book Store. Nashua, New Hampshire.

New System Of Freshman Counselling Set In Motion

Both students and faculty will undertake freshman counselling this year in a newly planned program designed to facilitate adjustment of first year students in their new environment. Through this more highly integrated or-

Burton Section Renamed Conner

Conner Hall will be the new name of the eastern section of Burton House, formerly known as the 410 section, it was announced by Robert M. Kimball, Director of the Division of Business Administration. It will be named for Arthur Jewett Conner, '88, who has contributed \$247,000 which is being used in the refurbishing of Burton House.

The contributions of Mr. Conner were to be used originally in the con-Mr. Conner's estate, the money was During the ceremonies a short ad- used at Burton House. A plaque student advisor while the fraternities

Until his retirement in 1920, Mr.

ganization it is hoped that the period of introduction may be shortened and individual growth promoted. In keeping with the guiding precepts of student government autonomy, this program will attempt to optimize the role of student government in its most effective area where informal and individual contact by living groups will be of invaluable assistance to the Dean's Office in this travail. Through such cooperative efforts many of the students' problems may be directly helped to solve on the spot or after counsel with the esoteric concerned.

The present system provides for one faculty advisor per twenty freshmen half of whom are dormitory residents and half fraternity and commutor. Within the dorms to each ten freshmen will be assigned one and the Commuters' Club will parallel student counselling. Adequate professional and consultant help will also be available to launch the four year program successfully.



VOL. LXXII

TUESDAY, SEPTEMBER 23, 1952

NO. 27

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CALENDAR OF EVENTS

SEPTEMBER 23 TO SEPTEMBER 30, 1952

TUESDAY, SEPTEMBER 23

Glee Club. Rehearsal. Room 2-190, 5:00 p.m. New members are

Christian Science Organization. Subject: "Spiritual Prerequisites." Tyler Lounge, Walker Memorial, 5:15 p.m. All are welcome. Choral Society. Rehearsal. Room 2-190, 7:30 p.m. New members are welcome.

WEDNESDAY, SEPTEMBER 24

Faculty Meeting. Room 10-250, 3:05 p.m. Concert Band. Rehearsal. Walker Memorial, 7:30 p.m. New members are welcome.

THURSDAY, SEPTEMBER 25

Glee Club. Rehearsal. Room 2-190, 5:00 p.m. New members are welcome.

FRIDAY, SEPTEMBER 26

Students and Staff. Convocation. Rockwell Cage, 11:00 a.m. All classes suspended from 11:00 a.m. to 12:00 noon.

Mechanical Engineering Department. Seminar: "Effect of Cooling on Transition of Laminar Boundary Layer." Professor Ascher H. Shapiro. Room 3-370, 4:00 p.m. Coffee from 3:30 to 4:00 p.m. in Room 3-174.

MONDAY, SEPTEMBER 29

Chemistry Department. Harvard-M.I.T. Physical Chemistry Colloquium: "The Measurement of Rapid Chemical Reactions by the Method of Flash Photolysis." Professor R. G. W. Norrish, Cambridge University, England. Room 6-120, 4:00 p.m.

Nautical Association. Shore School. September 29-October 3, Monday through Friday. Room 2-390, 5-6 p.m.

Symphony Orchestra. Rehearsal. Walker Memorial, 7:30 p.m. New members are welcome.

TUESDAY, SEPTEMBER 30

Glee Club. Rehearsal. Room 2-190, 5:00 p.m. Christian Science Organization. Subject: "Individuality." Litchfield Lounge, Walker Memorial, 5:15 p.m. All are welcome. Choral Society. Rehearsal. Room 2-190, 7:30 p.m. New members are welcome.

EXHIBITION

Models of inventions by Leonardo da Vinci are on display in the Lobby of Building 7 (every day) and in the New Gallery of Charles Hayden Memorial Library (Mondays through Fridays, 9:00 a.m.-5:00 p.m.), through October 5.

CALENDAR OF EVENTS

The Calendar of Events appears in THE TECH on Tuesdays with announcements for the following week. Notices, typewritten and signed, must be in the Office of the Editor, Room 7-204, not later than noon on Thursday prior to the date of publication. Material for the Calendar of October 1-October 7 is due September 25.

through the mail

Open letter to members of the Class

Before you arrived at M.I.T. you may have been told of the many abuses you would suffer at the hands of the Sophomore class. During your first days on campus, dark tales of atrocities committed against new students have probably reached your ears.

The Class of '55 cannot deny that some of these deeds might be perpetrated this fall, and try as we may we cannot guarantee that no one will suffer anything more serious than a slight soaking or the loss of are: a few hours sleep. We are certain, though, that careful supervision of the hazing program will result in a minimum of injury and damage and a maximum of sustained class spirit on your part. We feel that the primary purpose of Freshman hazing is to further your quick absorption into the M.I.T. way of life through the development of your interest in school, your class, and your fellow students. If, in some way, hazing helps you to achieve a greater appreciation of our school and its many opportunities, then the program can be called successful.

We may bait and taunt you on your personal appearance and your manner of walking; perhaps even doubt your intelligence at times; but if we can help you at any time we will, and we are very sincere in wishing you the best of luck at M.I.T.

JOHN SEILER, President, for the Class of '55.

SAVING TIME

Most commodities can be purchased. Time is unique because you cannot buy it. A student's time is divided four ways-classes, preparation, recreation, eating-and-sleeping. You cannot easily reduce your class-hours; your physical well-being demands sufficient recreation, sleep and food. Obviously timesaving can best be accomplished by increasing the efficiency with which you prepare for classes.

HOW?

Tutoring is recognized by practically every institution of higher learning in this country and abroad as a helpful supplementary service that will add to your efficiency as a student. A time-saving procedure that will give you additional opportunities for acquiring technical knowledge is as legitimate as the use of a slide rule or adding machine. Would you go to an examination without a slide-rule?

> A. L. M. DINGEE, Director

The Associated Tutors 10 Ames Street Cambridge, Mass. Tel. KI 7-4990

Frosh Look To Field Day As Moment Of Release

BY NEWELL TRASK

The lonely, invariably small freshman, his spangled tie draped around his neck like a noose, forms the epitome, in the eyes of upperclassmen, of the newcomer during his first weeks at the Institute. Set adrift in the vast confines of Technology, he must battle five tough subjects plus whatever machinations his Sophomore antagonists may have in store for him.

Scholarships

(Continued from Page 1)

Winners of the Overseas awards

Frank R. Cuff, G, in Metallurgy Alve J. Erickson, G, in Aeronautics Olivia A. Hammerle, G, in Food Technology George W. Hughes, G. in Electrical Foot Alve J. Erickson, G, in Aeronautics
Olivia A. Hammerle, G, in Food Technology
George W. Hughes, G, in Electrical Eng.
Kenneth R. Kruger, G, in Architecture
Max V. Mathews, G, in Electrical Engineering
Raymond H. Morth, G, in Electrical Engineering
Raymond H. Morth, G, in Electrical Eng.
John R. Pau'ling, G, in Naval Architecture
Robert J. Pelletier, G, in Architecture
Rose Marie Pratt, G, in Aeronautics
Ross R. Quincy, G, in Chemical Engineering
Herbert C. Ratz, G, in Electrical Engineering
Richard D. Sharp, G, in Metallurgy
Paul H. Skogstad, G, in Aeronautics
Robert A. Summers, G, in Aeronautics
Richard D. Thoruton, G, in Electrical Engineering
Hugh A. Watson, G, in Electrical Engineering
William Weaver, G, in Civil Engineering
Leonard Weissbein, G, in Chemical Eng.
Winners of the Fulbright Scholarships are:
Maria-Luise Azzarone, '51, who will study
architecture at the University of Rome.
Bruce B. Barrow, a graduate student, who
will study electrical engineering at the Delft
Technical High College, Delft, the Netherlands.
Frederick R, Bentel, '50, who will study

Technical High College, Delft, the Netherlands.
Frederick R. Bentel, '50, who will study architecture at the Institute of Technology, Graz, Austria.

Dr. Henderson Cole, '50, Ph.d. '52, who will study physics at the National Conservatory of Arts and Crafts, Paris, Frauce.

John L. Enos, '49, who will study economics at the High College of Economics, Rotterdam, the Netherlands,
Jay G. Fleishman, '52, who will study architecture at the Polytechnic Institute of Milan, Italy.

tecture at the Polytechnic Institute of Italy.

Alfred W. Moffett. M. Arch. '52, who will study architecture at the Institute of Technology, Graz, Austria.

John R. Myer, '52, who will study architecture at the University Institute of Architecture, Venice, Italy.

Robert D. Price, M.S., '51, who will study electrical engineering at the University of Sydney. Australia.

Robert D. Fines, M.S., 31, who will study electrical engineering at the University of Sydney, Australia.

Julius W. Roth, M. Arch. '52, who will study physics at the Delft Technical High College, Delft, the Netherlands.

Gerald M. Rothberg, '52, who will study physics at the University of Paris, France.

Vernon F. Shogren, M. Arch. '52, who will study architecture at the Delft Technical High College, Delft, the Netherlands.

These Fulbright scholarships will be effective during the academic year 1952-53.

The seven undergraduates who have been awarded scholarships established by the Foundry Educational Foundation are:

George D. Chandley, '53, Russell A. Chihoski, '54, Gordon R. Lohman, '55, Philip Stark, '53, and Marvin M. Turkanis, '53, all in Metallurgy; Raymond P. Coluzzi, '54, in Mechanical Engineering; and Daniel J. Ham-

---naturally

YOUR BANK

Kendall Square Office

HARVARD TRUST COMPANY

Member F. D. I. C.

He does NOT have to stand and cheer at football games or perform a set of ignoble, senseless tasks for the enjoyment of upperclassmen. Hazing at the Institute is designed as a small test of mettle in the sometimes high heat of battle, and as an introduction to Technology's traditions and ways of life. Freshmen rules prescribe that all first-year men wear the official freshman tie until the Christmas vacation unless the class is

Although there are a number of organizations with the avowed purpose of enforcing the rules, flouting is quite common, particularly among non-resident students. Classes in the past however, have found that obeying the rules can give a group of strangers some degree of cohesiveness, and be a strong rallying point for Field Day spirit.

victorious in the October Field Day.

Mad Mayhem

Field Day rivalry has always spilled over into the arena of physical combat, particularly as the date of the competition nears; though in recent years violence has declined. Immediately after World War II, with many sophomores and freshmen housed in the temporary Building 22 Barracks, running pitched battles were the rule. Back in 1942, the freshmen stretched a banner between two flagpoles in the Great Court and defended it in an all-day battle with the Sophomores; and in the pre-twentieth century era, one student died in the frenzied Cane Rush, predecessor of the frenzied Glove Fight.

ilton, '54, in Business and Engineering Administration.
SCHOOL OF INDUSTRIAL
MANAGEMENT

Winners of the first Graduate Fellowships to the new School of Industrial Management at the Institute have been announced by E. P. Brooks, Dean of the School.

The recipients of these awards (which carry cash stipends of up to \$2100 plus tuition for married men and up to \$1400 plus tuition for single men) are: William Desmond Carr, Malcolm Richard Harris, Anthony Mediate, Jack Eric Nordin, Charles Rabkin, Gorden William Sangster, Raymond Aime Bessett, John Davidson, James Carleton Emery, Eugene Rhodes Epperson, Winston Russell Hindle, Jr., George Pike McCasland, and Thomas Robert Moffette.

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STUDENT PROGRAM

warvard Church (CONGREGATIONAL)

corner Harvard & Marion Streets

· Coolidge Corner BROOKLINE

Sept. 28 is Student Sunday

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Charles Hubert Stem, Minister E. Powers Biggs, Organist

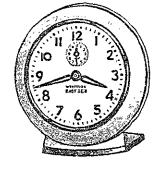
Morning Worship

7:30 P.M

Student Group

BE ON TIME WITH A

Westclox Alarm Clock



We Have a Large Selection of Hand Wind and Electric Clocks PRICED \$3.50 TO \$9.95

TECHNOLOGY

PATRONAGE REFUND TO MEMBERS

TEXT OF SPEECH BY PRES. KILLIAN

address by President J. R. Killian, Jr., delivered to the Class of '56 in Rockwell Cage on September 18, 1952.

Members of the Class of 1956:

Members of the Class of 1956:

Next Sunday afternoon I hope to have the opportunity to meet and welcome you individually when you come to my house. Tonight it is my pleasant responsibility to greet you as new members of the M.I.T. team and to say a word of hearty encouragement to you as you start. We have confidence in your capacity and spirit to turn in a fine performance, else you would not be here. And we are proud to have you join our team.

This is the largest class ever admitted to M.I.T., and we have reason to hope that it may be one of the best. The pressure for admission to this class was very great, and those of you who have been selected were carefully chosen out of a much larger number. The class is larger than we expected; we feel very much like the family that expected twins and received triplets. But we are glad to have every one of you and pledge you to do our best in making your stay here a rewarding experience.

Freshmen entering college always have to

The following is the text of an admiration." We prize these qualities of style where you are represented by President J. R. Killian, Ir., delivered to the Class of '56 in Rockwell Cage on September 18, 1952.

Members of the Class of 1956:

Next Sunday afternoon I hope to have the street of the Sunday afternoon I hope to have the street of the Sunday afternoon I hope to have the street of the Sunday afternoon I hope to have the street of the Sunday afternoon I hope to have the street of the Sunday afternoon I hope to have the street of the Sunday afternoon I hope to have the street of the Sunday afternoon I hope to have the street of the Sunday afternoon I hope to have the street of the Sunday afternoon I hope to have the street of the Sunday afternoon I hope to have been largely sponded to the street of the Sunday afternoon I hope to have been largely sponded to the street of the Sunday afternoon I hope to have been selected were admirted to the street of the Sunday afternoon I have been selected were ramance, else you would not be here. And the street of the Sunday afternoon I have been selected were ramance, else you would not be here. And the street of the Sunday afternoon I have been selected were ramance, else you would not be here. And the street of the Sunday afternoon I have been selected were ramance, else you would not be here. And the street of the Sunday afternoon is you that the street of the street of the Sunday afternoon is you start. We have confidence in your say from the street of the Sunday afternoon to the sunday the one of the best. The pressure for a single your own affairs, coupled with your arrange to you shall development but to accept your proper street of the sunday afternoon and received triplets. But we are glad to have every one of you and pledge you to do our best in making your stay here a rewarding experience.

Freshmen entering college always have to feel their way through a certain amount of murk and fog, and so will you. The objective is to find your way out as soon as possible, and it is the purpose of this week end to help you. You come to the Institute, I suspect, with a high sense of expectancy tempered by fore-boding and apprehension. This is perfectly natural. Every one of us has experienced this kind of apprehension when entering a new environment or tackling a new job. I hope that your sense of expectancy and adventure will soon replace your fears. They will if you come to understand quickly that you are wanted and welcomed here, that you are part of the family, and that the whole complex of the Institute is designed to back you and help you. You will soon find, I hope, that you are among friends and that the disposition of this community is one of good will and good fellowship. I hope that you will quickly feel that you belong to your class, to your livingmate, and to the Institute and that you are a part of each of these units. You are a member of the family, sharing the family's responsibilities and its privileges. The spirit of Tech, its program, and its environment are based upon people working as colleagues engaged in a common endeavor. The faculty and student body make up what we would like to call a community of scholars. You are one of these.

While welcoming you to the Institute, I would also like to introduce you to some of its special characteristics and peculiarities. I do this with the full knowledge that no one can possibly give you the full flavor of the institution. As Longfellow said of the sea, "Only those who brave its dangers Comprehend its mystery."

It will take you about three and one-half years really to arrive at a reasonably clear picture of the meaning of the transmitter.

Comprehend its mystery."

It will take you about three and one-half years really to arrive at a reasonably clear picture of the meaning of M.I.T. Some of us who have been here decades are still discovering new aspects of the institution. Like societies, educational institutions, if they are great, possess what Alfred North Whitehead called "style,"—a personality and character, if you will, that shows efficiency and individuality in carrying on its work. So it is with individuals too, "Men require of their neighbors something sufficiently akin to be understood, something sufficiently different to provoke attention, and something great enough to command

first of all, to get some of the tools to enable you to do this.

Another feature of M.I.T. that distinguishes it from many colleges and certainly from the high and preparatory schools is its professional point of view. You are in an institution that seeks to prepare young people who are not only loaded but aimed. You are in an institution where the standards are kept high by a weil-defined concept of what the performance of a scientist, an engineer, and an architect should be. You are in an institution which seeks to prepare men to meet standards that the country has come to expect of people having professional responsibilities. This standard is not only one of competence; it is one of integrity and one of ministering to the needs of the public.

As one of our foreign visitors recently reported to his own country: "The American student constantly asks himself or herself, "What sort of man or woman will this training make me?" Not 'will it make me an engineer?"

Still another characteristic of M.I.I. is that it is suffused with the spirit of science. This spirit has been admirably described by the great atomic physicist, Dr. J. Robert Oppenheimer. "In science," he says, "there is a total lack of authoritarianism which is hard to comprehend or to admit unless one has lived with it. In science, the worker learns the there are ways to correct his mistakes: he learns the futility of trying to conceal them... We learn that views may be useful and inspiriting though they are not complete. We come to have a great caution in all assertions of totality, of inality, or absoluteness.

... We learn to throw away those instruments of action and those modes of description that are not appropriate to the reality we are trying to discern, and in this most painful disciving for a currely trying to discern, and in this most painful

ments of action and those modes of description that are not appropriate to the reality we are trying to discern, and in this most painful discipline, find ourselves modest before the world. If the professional pursuit of science makes good scientists, if it makes men with a certain serenity in their lives, who yield perhaps a little more slowly than others to the natural corruptions of their time, it is doing a great deal . "

This spirit of science, this sense of intellectual integrity and responsibility, is one of the spiritual forces which I hope that you will feel while you are a member of this community. The experience of living with a highly selected group of people having similar objectives and capacities but differing points of view and backgrounds, can be in itself a formative educational experience. Your outlook and point of view can be tested and matured by the interchange and clash that come from bull sessions and all your living contacts. I hope that you will participate in much of this searching and tolerant kind of talk that comes in the late hours when the mind runs free. It is certain that you will if you don't insist on going through college with a set of readymade ideas and an unwillingness to try out new ones.

In the selection of courses, seek counsel but

made ideas and an unwillingness to try out new ones.

In the selection of courses, seek counsel but follow your own bent, where you have an election. You will have ample time to decide in which direction you wish to go. Don't jump to conclusions about your teachers. It frequently happens that the courses you like least in college turn out to be the ones you cherish most or find most useful when you are out of college.

I would also hope that you will gain breadth along with acquiring depth. Some of this breadth will come from the courses you take and the teachers you come to know well. Most of it you must acquire yourself, out of an **Continued on Page 6**)

(Continued on Page 6)

Institute Posts

(Continued from Page 1) basin was constructed and led to world-wide fame. After the war the Professor served the faculty of the Delft Institute of Technology and aided in the reconstruction of the basin.

Professor Troost visited the Institute in 1946 at the invitation of the United States Navy. In 1951 he joined the faculty as exchange professor of naval architecture. Later he lectured here under a Fulbright award.

Three long term members of the faculty retired. They were Dr. John W. M. Bunker, Dean of the Graduate School, Dr. Jerome C. Hunsaker, Professor of Aeronautical Engineering and Professor Lawrence B. Chapman, Professor of Marine Transportation and Marine Engineering.

Dr. Hunsaker designed the famous NC flying boat for the Navy, one of which was the first to cross the Atlantic. He has received many awards during his long and illustrious career. Among these are The Daniel Guggenheim Medal, The Presidential Medal of Merit, The French Legion of Honor, and the Wright Brothers Memorial Trophy.

Dr. Bunker made notable contributions to the field of biology and sanitary biology. He has served the Institute as head of the Graduate School for 12 years. Before this he was Director of the Research Laboratories of Biology. In September 1950 Dr. Bunker was appointed supervisory consultant on atomic defense for the Massachusetts Civil Defense Agency.

Two life members and three alumni term members were elected to the Corporation. The life members are James McGowan, Jr. and Harold B. Richmond. Mr. McGowan is President and Chairman of the Board of the Campbell Soup Company. Mr. Richmond is Chairman of the Board and Management Committee of General Radio Company.

The alumni term members are Everett S. Coldwell, Alfred T. Glas-(Continued on Page 6) (5)

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THURSDAY, SEPTEMBER 25, 1952 5:00 and 8:00 p.m.



On-stage Photos of Charles Munch at Rehearsal, by Fred Fehl

Boston Symphony Orchestra.

CHARLES MUNCH, MUSIC DIRECTOR

Announces

Six Open Rehearsals

One of the great cultural institutions of this day is the Boston Symphony Orchestra, giving regular concerts at Symphony Hall, To provide a chance for students in the Boston area to hear the Boston. These concerts are sold out by season subscription. Orchestra, tickets are made available for six rehearsals during the season, one a month, at a price considerably less than concert rates.

WGBH (89.7 mc FM) educational station of the Lowell Institute Cooperative Broadcasting Council will broadcast the full concerts of the Boston Symphony Orchestra on Fridays 2:15 and Saturdays at 8:30 p.m., beginning October 4.

(AT 7:30 P.M.) REHEARSALS

Thursday, October 16 Thursday, November 20 Wednesday, December 17 Wednesday, January 21 Thursday, February 19 Thursday, March 26

Soloists will assist.

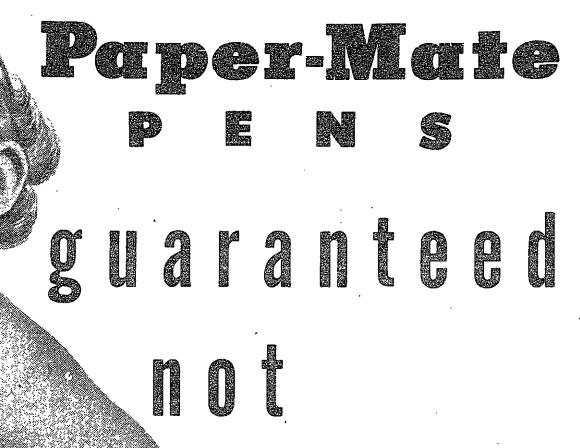
Pierre Monteux will conduct as guest on Nov. 20.

On Thursday afternoons at 4:30 and Friday evenings at 7:00, the week's programs are discussed by Prof. G. Wallace Woodworth, of the Harvard Department of Music, on WGBH (FM).

Tickets, \$7.00 for the six rehearsals, available Sept. 23-Sept. 26 at Office of Director of Music, Hayden Library, Rm. 14-N236.

After Oct. 10, tickets \$2 for each rehearsal.

(All seats unreserved.)



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Voelcker To Be At Tech; Rifle Champ Returns In 1952-53 Season

Second Lieutenant Herbert Voelcker, of Tonawanda, N. Y., who graduated from the Institute in the class of 1951, has been assigned by the Army to be Student Officer at Tech effective September 15, 1952, for an advanced degree in electronic engineering. Lt. Voelcker received the degree of B.S. in mech. engineering in 1951 and accepted a Regular Army commission in the Signal Corps. He has not had any overseas duty since his entry on active duty but has served with the 82nd Airborne Division of Fort Bragg, N. C., and as commanding officer of the U.S. Army Rifle Team at Ft. Benning, Georgia.

All-American Performer

Lieutenant Voelcker was the outstanding member of the Institute Rifle Team and was Captain of the team that won the National Intercollegiate Rifle Championship in 1951 with a record score of 1437. He won the national collegiate individual shooting crown in 1950 with a 293 score and

in his senior year sparked the Institute squad to record performances against West Point, the Navy at Annapolis, New York U., the Coast Guard, and the U. of Maryland.

Herb Shows His Versatility Again Until he arrived at Ft. Benning this spring to begin preliminary drills in an effort to beat out some 25 veteran service shooters for one of the available ten positions on the Army team, Voelcker had never competed with large bore (high power) rifles. Voelcker had an important assignment ahead of him. The Army Team Shooters were thrashed by the Marine Corps in the recent Southeastern Regional high power matches which were regarded as an excellent preview of the Nationals. Captain James McCubbin, one of the coaches of the Army team, remarked that if Voelcker keeps taking in stride every jump in class like he has, the Army has got a sure fire rifle champion for the future.

VOELCKER RETURNS



Tech Alumnus and former All American rifle shot as he appeared at Fort Benning this

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Patronage Refund to Members

Whitelaw To Coach Engineer Quintet

BY ART AND STU FRANK

In an attempt to floor a top notch team this year, M.I.T. has named Robert "Scotty" Whitelaw to head the Tech Hoopsters. This is the first time in many years that the Institute has enjoyed a full time permanent member of the staff in this capacity. Whitelaw has succeeded Ed Leede, former Boston Celtic who coached the Engineers during his stay at the Harvard Business School. Previously, Tech basketball coaches were part time members of the Institute staff but Whitelaw has been appointed to a full time position on the staff of the school. Although his assignment is still tentative it is definite that he will not be an athletic instructor. He will coach the Freshmen baseball team when his basketball chores are over in the spring.

4 Letter Man at Springfield

Whitelaw is a graduate of North Quincy High School and Andover Academy. The new coach is a former four letter man at Springfield College from which he received his Masters degree in Physical Education in 1949. In his days as an undergraduate at Springfield he frequently had an occasion to compete against Techmen in these sports, particularly in track.

He has had experience in high school coaching and has served with John Bunn at Springfield and with Ed Hickey of the University of St. Louis during Hickey's recent visit to Springfield.

First Call Nov. 1

Whitelaw will have a general call on or about November 1 for all students interested in varsity basketball. The coach hesitates to plan his strategy or make any predictions until he has an opportunity to test the calibre of the players. He said however, "I am looking forward to the coming season and I am hoping that with a little luck and some interest on the part of the boys Tech can floor a respectable team this year."

The teams tentative schedule opens during the first week of December with a game away with Trinity and includes a game with C. C. N. Y. which promises to be the highlight of the season.

TRACK AND FIELD RALLY

A track and field team rally will be held in Room 1-190 on Friday, September 26 at 5:00 p. m. Movies of track events will be shown. All interested are welcome.

Sports Shorts

by Jerry Cohen

Freshman weekend is over and the class of '56 is well on its way to finding out why Tech is Hell. Upperclassmen who have forgotten are quickly having their memories refreshed. In addition to the scholastic routine, the Cardinal and Grey athletic squads are shaking off summer dust and are readying for the coming year's competition.

By now even the freshmen know that Tech athletes are amateurs in the true sense of the word. There is no such thing as an athletic scholarship here at M.I.T. The emphasis here is on studies first, sports second—and at all times the coaches here are interested in everyone who wants to participate in their sport regardless of past experience. (This is no drawback in competition. The coaching staff is an excellent one. Their experience and ability have enabled them to train "raw recruits" to stand next to the more experienced competitors within our own student

FROSH!! Tech teams are respected wherever they go. Let no one tell you otherwise. Your class is an unusually large one here at Tech and you are in position to contribute a great deal to the rather latent college spirit at Tech . . . especially in the sports world. Needless to say you will probably supply a great wealth of man power to all squads and teams. But for those of us who don't compete there is a great deal that we can do. . . . To be perfectly frank with you support at Engineer games has always been very bad with very few exceptions. Our teams do not deserve the weak showings we have given them in the past. You'd be surprised how many games some heavy cheering can win. Remember that the fellows who represent you in college sports have more to worry about than how tough the game is. They are working under a severe mental strain of one of the toughest academic grinds in the world . . . one may have an important quiz the next day, another a heavy lab report due . . . the spirit that some yelling can instill, the knowledge that their fellow students (Continued on Page 6)

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On the Board of Directors, the M.I.T. representatives are Ralph E. Freeman, Head of Dept. of Economics; Harold E. Lobdell, Executive Vice President, Alumni Association; Walter Humphreys, Secretary of the M.I.T. Corporation; Horace S. Ford, Treasurer Emeritus of the M.I.T. Corporation, and Stanley H. Sidney, '52.

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The TECH-COOP is the official distributor of all your supplies. The material required for all freshmen has been passed upon by the Faculty and approved by them.

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Patronage Refund to Members

Institute Posts

(Continued from Page 3) sett, and William L. Stewart, Jr. Mr. Coldwell is President, Chairman of the Board, and Director of Ford, Bacon and Davis, Inc., Engineers of New York City. Mr. Glassett is President, Treasurer and Director of the W. J. Barney Corporation. Mr. Stewart is Executive Vice-President of the Union Oil Company.

Dr. Albert C. Hill, Professor of Physics and former Director of the Research Laboratory of Electronics has been appointed Director of the Project Lincoln, and electronic research project operated by the Institute for the Department of Defense.

Pres. Killian's Speech

(Continued from Page 3)

unremitting curiosity, by reading on your own, both books and people. I hope some of your teachers will have the genius to set your mind on fire, to open wholly new vistas and to communicate to you deeply moving enthusiasms. I hope you have those intellectual experiences where some new concept or aesthetic experience or some powerful emotion throws you into a state of excitement or disturbs you so deeply that you are compelled to talk about it or share the enthusiasm with others.

In speaking of these admittedly lofty aims and opportunities, I am not forgetting the good fun and brisk companionship which are the rare privileges of college life. I hope that you will have ample opportunities to participate in the pageantry and group activities of college life. The sports events, the mass meetings, the dances, the sings, the activities, are an essential part of college and can provide at times an uncomparable lift and a sense of belonging. We should hold fast to them, cherish them, and add to them steadily.

Above all, I hope that you will have many friends, both women and men, and that you will build such close and stimulating friendships that they will last long beyond college. "For it's always fair weather when good fellows get together with a stein on the table and a good song ringing clear."

In summary, I suppose that I have been trying to say that I hope that you will realize yourself fully while in college, and that in doing so you will develop a sense of values, a recognition of what is heautiful, true, and good, in people, in books, in politics, in life.

If we and you working cooperatively can bring about this kind of experience for you, then your career here will be successful, and you will join the group of men and women who love and cherish this institution and proudly wear its colors.

WAIT UNTIL A FOGGY DAY



NOTICES

Pershing Rifles Smoker The Pershing Rifles will hold a Smoker for all interested Freshmen. at 5:00 p. m.

Logarhythms Because of graduation, the Lo-

and place will be announced in a later issue.

LSC Movie

The Lecture Series Committee will present the British motion picture, "Dead of Night," starring Michael The affair will be held in Tyler Redgrave, on Thursday, Sept. 25, 1952 Lounge, Walker Memorial, Thursday, in 10:250. The admission price is 40 cents and the showing times are 5:00 and 8:00 p. m.

Inscomm.

The Institute Committee will meet garhythms, M.I.T.'s singing octet, needs new voices. Freshmen with tenor voices are preferred, but anyone is tomorrow in Litchfield Lounge. These welcome. The first meeting will be meetings are open to the entire stuheld on Wednesday, October 1st. Time dent body.

Sports Shorts

(Continued from Page 5)

are behind them . . . this is the contribution we can all make to bring more college life to Tech . . . and you, the class of '56 can lead the way. . . .

A new PERMANENT basketball coach with some wonderful experience promises a great future for the Engineer five this winter . . . read about it on this page . . . Herb Voelcker former All-American rifle shot returns to Tech as a member of the Military Science department . . . also in this issue . . . Ben Martin has performed the hat trick of coaching circles. He is now serving as varsity soccer coach as well as being the varsity mentor in hockey and lacrosse here at Tech.

'56:

IOIN THE TECH

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